

Buttercup

Theme: *Carnival Science/ Garden & park Science carnival*



Amusement parks and local fairs are a big part of summer memory-making for many families, at least in non-pandemic times. Standing in long lines at amusement parks may be out this summer, but we've got fun science activities you can line up for a whole week's worth of carnival-inspired STEM!

Now for those plant and animal lovers, how about Carnival Science in the garden or local park where you can have fun exploring nature, whether it is minibeast hunting or rock painting. Whichever tickles your fancy you will find a selection of activities and projects for you to choose from.

We all hope you enjoy the different tasks. Have fun and remember to share those photos at: office@bwf.education or on the Woodside twitter page.

Please see a few of our ideas below:

Task	
Can Knock down/Throwing balls into bucket/Hook the duck/Hoopla/Target game	See activity sheet below
Mini magnetic fishing game	See activity sheets below
Magic sand	See activity sheet below
DIY fish cup game	See activity sheet below
Theme park colouring	See activity sheet below
Making a cereal box marble run	See activity sheet below
Rock painting bugs	See activity sheet below
Minibeast hunt	https://www.twinkl.co.uk/resource/T-T-019-Minibeast-hunt-sheet Activity sheet below
Minibeast tally	See activity sheet below

Minibeast colour by number	See activity sheet below
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Other nature related activities:

<https://www.twinkl.co.uk/resource/t-t-19367-minibeast-description-cards>

<https://www.twinkl.co.uk/resource/t-t-5064-minibeasts-legs-or-no-legs-sorting-activity>

[https://www.twinkl.co.uk/resource/us2-t-168-nature-walk-scavenger-hunt-](https://www.twinkl.co.uk/resource/us2-t-168-nature-walk-scavenger-hunt-unt-)

<https://www.twinkl.co.uk/resource/t-t-1103-plants-and-flowers-hunt-sheet>

<https://www.twinkl.co.uk/resource/t-tp-1086-minibeasts-i-spy-and-count-activity>

<https://www.twinkl.co.uk/resource/t-tp-1168-2d-shape-minibeasts-pictures-resource-pack>

<https://www.twinkl.co.uk/resource/au-t-3745-five-senses-scavenger-hunt-worksheets>

Make and knock down tin cans/bottles

Collect some empty tin cans and cover them in paper or paint them using paint and PVA glue mix. Once dry arrange them as shown in the picture and take turns throwing small balls to see how many you can knock down.



Throwing balls into buckets

Arrange some buckets at an angle and practise throwing balls into them. How many can you get inside the bucket?



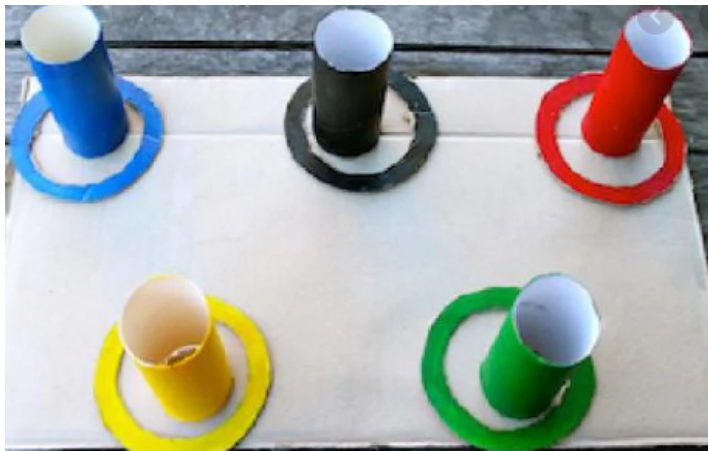
Hook the duck

Use a small swimming pool or a washing up bowl and fill halfway with water. Put in some plastic ducks that have hooks attached (alternatively use a net) and use a hook to hook the ducks and pull them out. How many can you get in two minutes?



Hoopla

You will need any kind of cylinder object you have at home (toilet rolls, pringles tube, empty spice jars etc) which can be stuck to a piece of cardboard if required. Then use some more cardboard to make the rings if you don't have any. Object of the game is to throw the ring over one of the posts. How many can you get?



Target game

Make some targets and attach these to a wall outside. The targets can be colours, numbers or letters. Fill a bucket with water and get some small sponges/foam balls. Wet a sponge and throw it at a target. Which number/colour or letter can you get?



MINI MAGNETIC FISHING GAME

- Materials:
- Tray/dish
- Blue tissue paper
- Small stick
- Beads
- Paperclips
- Tape
- Scissors
- Googly eyes
- Glue

MAKING THE FISH

To make the fish, you cover the paperclip in tape so that you have a bit of extra tape left on top and on the side. Next, cut the extra bit of tape hanging over the top and side into the shape of a fin. Glue on the eyes both sides.

PUTTING IT ALL TOGETHER

- Place the blue tissue paper into the tray/dish.

Try to create the illusion of waves with the tissue paper. Place the beads and fish in tray/dish. Move things around a bit, maybe hide a few fish to make the game a bit

more challenging.

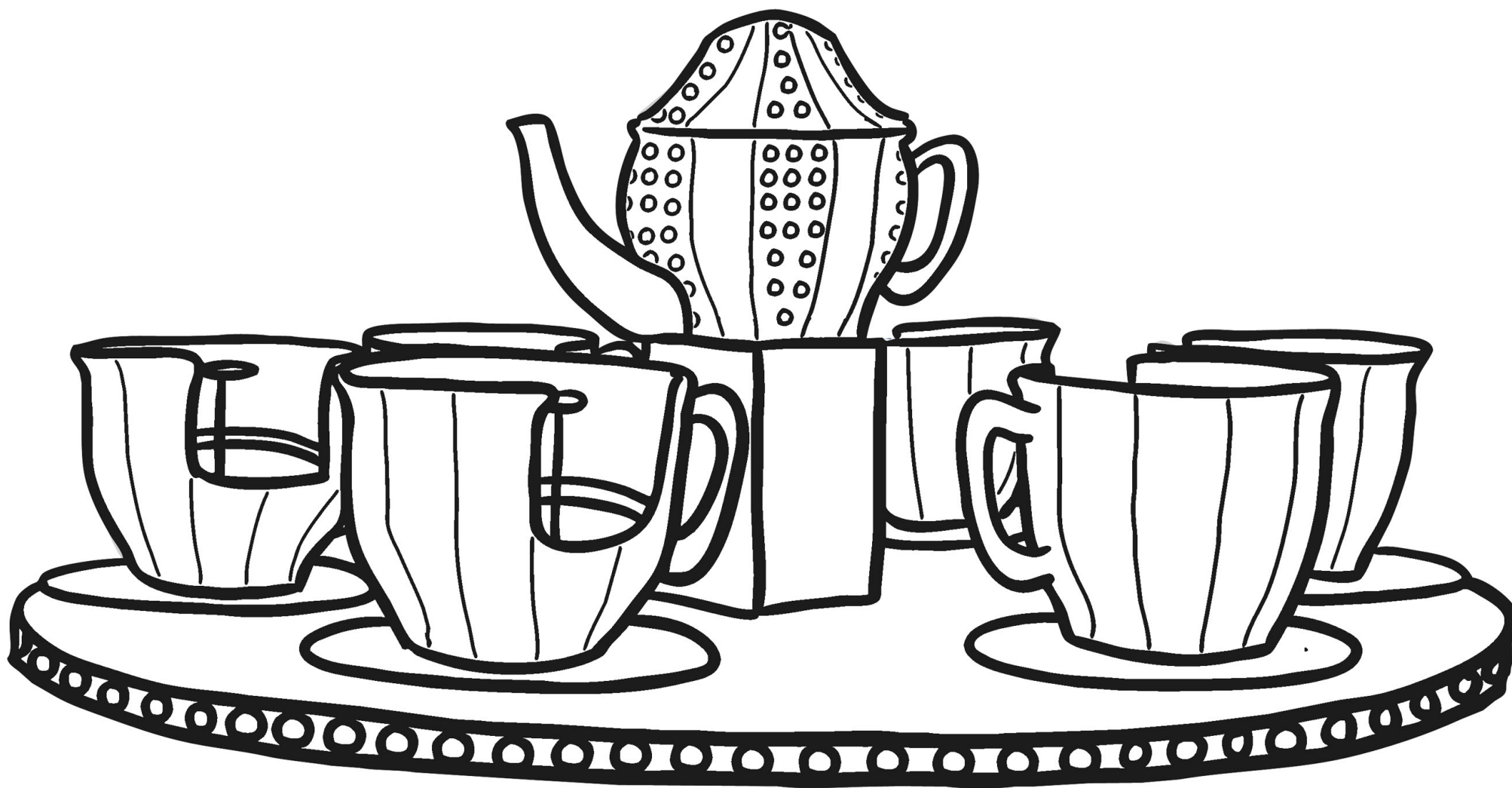
Hold the stick with a magnet attached over the fish, see how many fish you can catch.



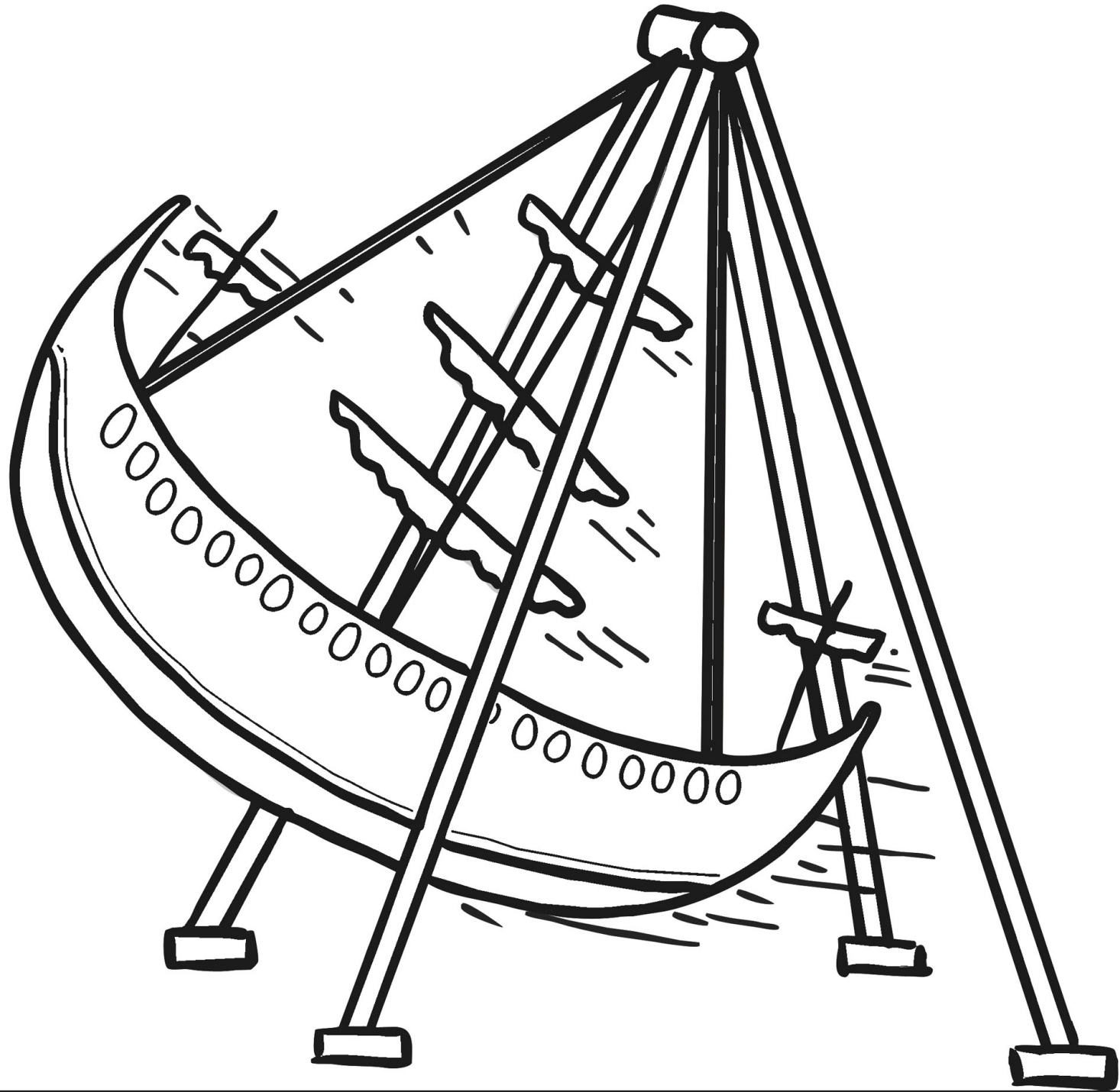












Making a Cereal Box Marble Run

Ever wondered what to do with those empty cereal boxes?

Follow these simple instructions to make a cereal box marble run.

You will need:

- 2 cardboard cereal boxes
- glue
- sticky tape
- scissors
- marbles



1.



Start off with your empty cereal box. Tape the lid shut and then cut off the front panel (take care, scissors are sharp!). Make sure you leave a little ledge at the bottom. This will stop the marbles rolling out everywhere when they reach the end of the run.

2.



Then take the detached front panel and cut it into three strips. Bend them at the ends and cut a notch on one side for the marble to run through.

3.



Next, take a little extra cardboard from another cereal box and fold the end of it and tape it onto the bottom. The folded end makes the marble run tilt back a little bit so the marble goes down the holes and doesn't fall out of the box.

4.



Finally, tape the strips into the box and cut a little hole at the top to drop the marble through. Then go and find some marbles!

Rock Painting Bugs

What bugs will you paint?



Here's what you'll need!

Rocks

Acrylic paint

Paint brushes

Gloss varnish (optional – to make them shiny!)

Googly eyes (optional)

Instructions:

1. Wash your rocks with water and let them dry. Think about what bugs/insects you would like to paint e.g. ladybird, bee, snail etc.
2. When the rocks are dry, start painting your bugs.
3. Let the paint dry and then paint a layer of gloss varnish on top before sticking on the googly eyes.
4. You can now place your bugs in the garden or on a windowsill!



Visit your **local garden centre** to get started.

Show us your creation!

Use **#NCGW** on social media.

www.childrensgardeningweek.co.uk

Minibeast Hunt

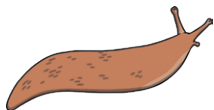
Tick the minibeasts that you have found!



spider

☐

woodlouse

☐

slug

☐

butterfly

☐

beetle

☐

wasp

☐

crane fly
(daddy-long-legs)

☐

ladybird

☐

earwig

☐

dragonfly

☐

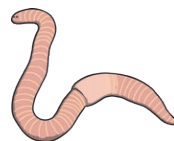
snail

☐

ant

☐

millipede

☐

worm

☐

fly

☐

caterpillar

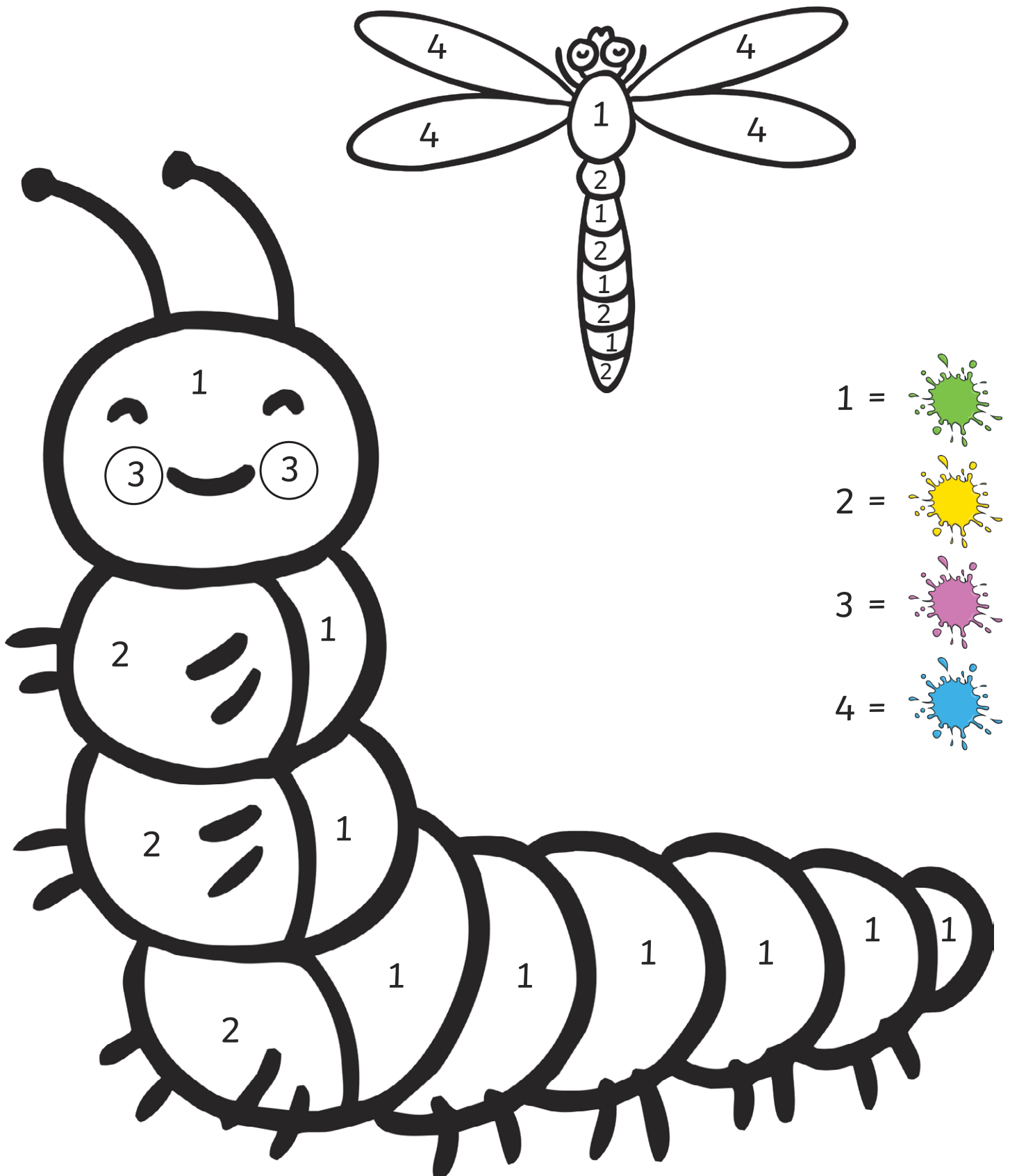
☐

bee

☐

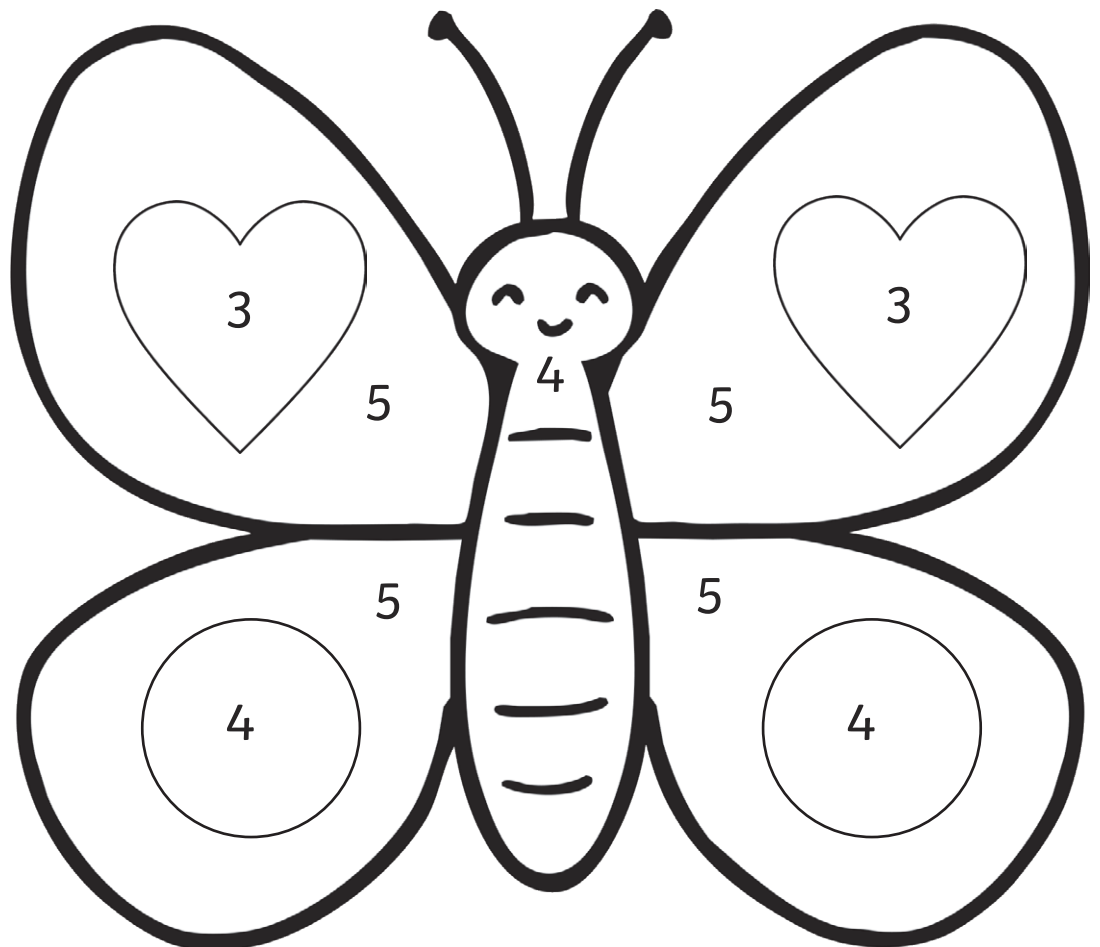
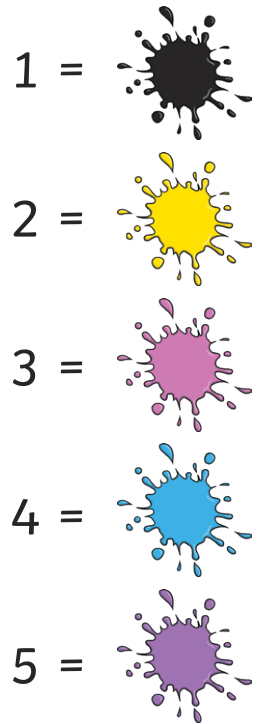
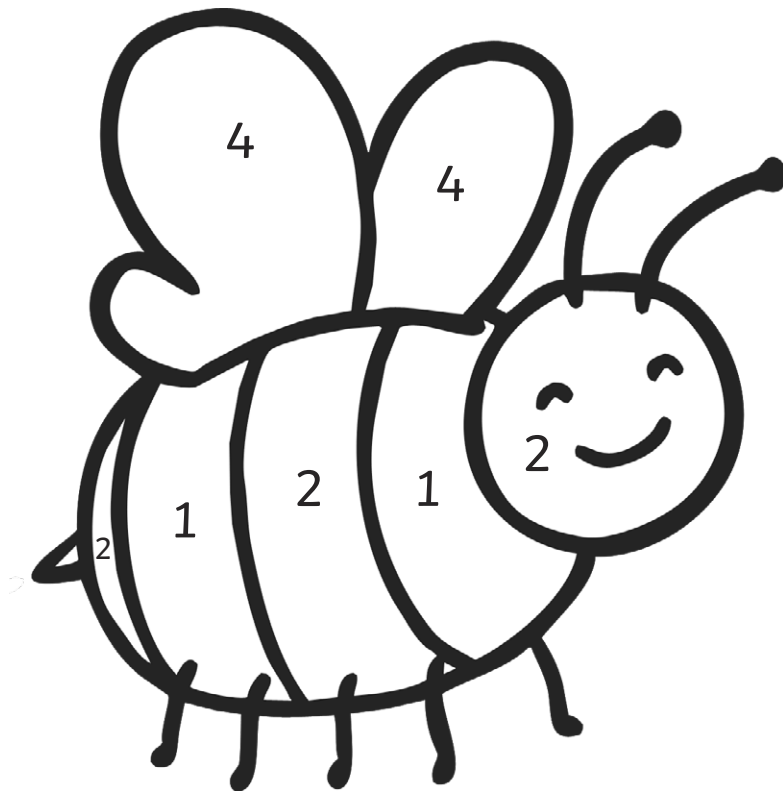
Minibeast Colour by Number

Match the colours to the numbers.







Minibeast Colour by Number

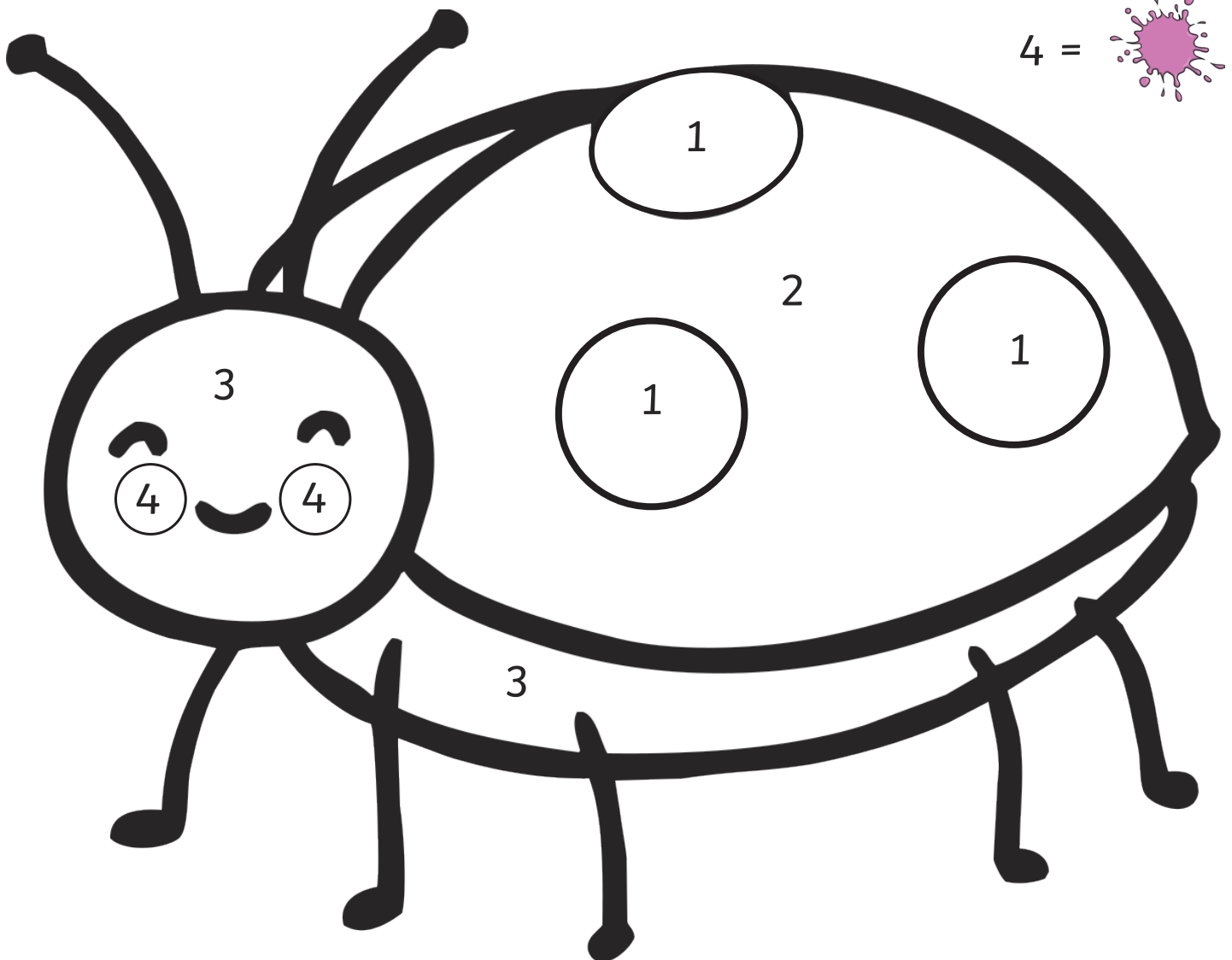
Match the colours to the numbers.



Minibeast Colour by Number

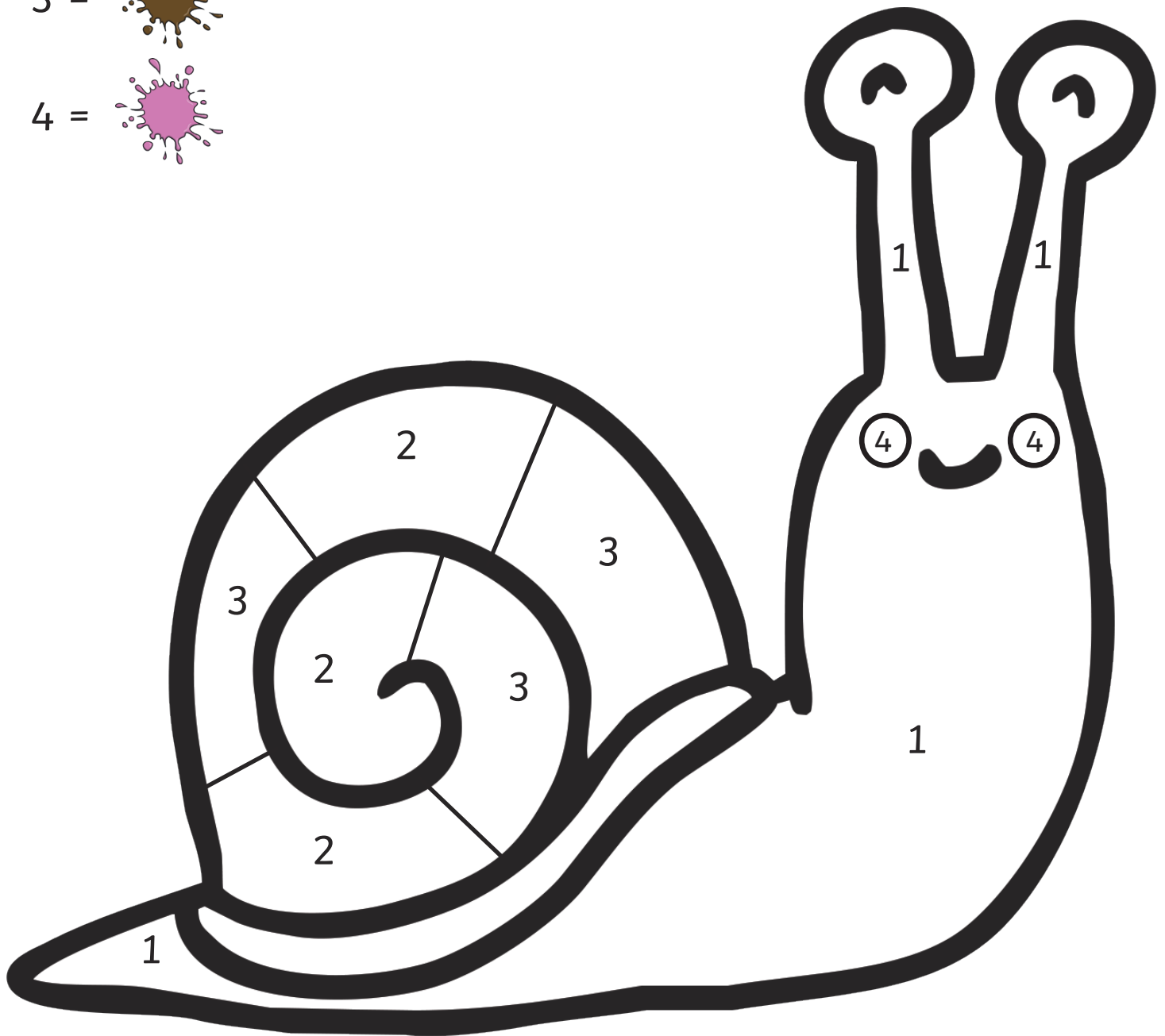
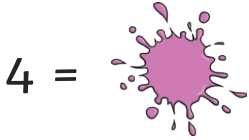
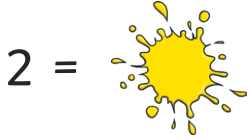
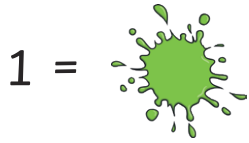
Match the colours to the numbers.

- 1 = 
- 2 = 
- 3 = 
- 4 = 

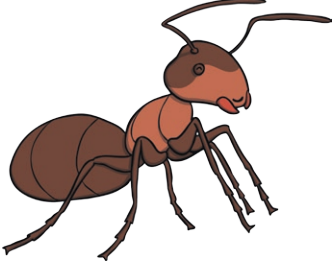

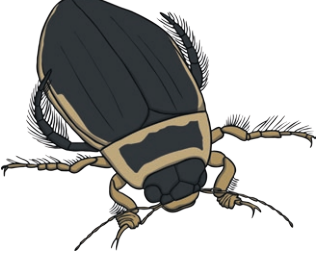




Minibeast Colour by Number


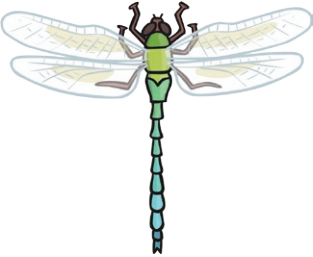
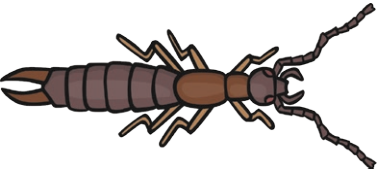


Match the colours to the numbers.



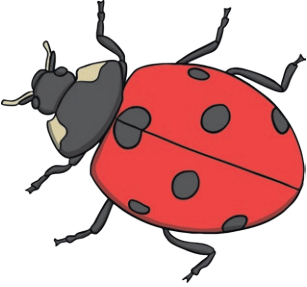


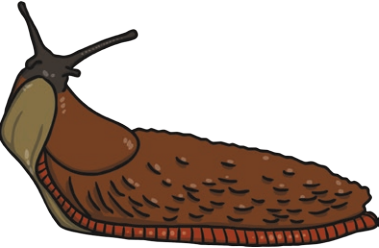
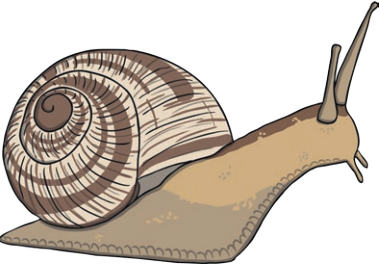
Minibeast Hunt

	Minibeast	Number Found
	ant	
	bee	
	beetle	
	butterfly	
	caterpillar	


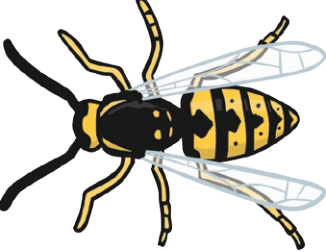

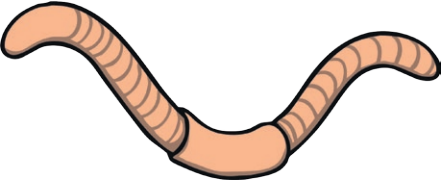
Minibeast Hunt

	Minibeast	Number Found
	crane	
	dragonfly	
	earwig	
	fly	
	grasshopper	

Minibeast Hunt

	Minibeast	Number Found
	ladybird	
	millipede	
	moth	
	slug	
	snail	

Minibeast Hunt

	Minibeast	Number Found
	spider	
	wasp	
	woodlouse	
	worm	

Science Carnival Ideas

Magic Sand

The children can explore sand that repels water.



Resources :- What you will need

- You will need for this activity –
- 1) Coloured sand
- 2) Fabric protector spray
- 3) Large vase or bowl of water
- 4) Shallow container
- 5) Wax paper or tin foil
- 6) spoon

Instructions

- A) Firstly, you will have to start by lining your shallow container with wax paper or tin foil. Spread the coloured sand onto it. In a well-ventilated area you will then need to spray a coat of fabric protector spray onto the sand.



Instructions

- After 10 minutes or so, stir the sand around and spray another layer onto it. The sand must be all coated. Repeat this step again, if you feel like the sand needs more.



Instructions

- Once the sand is dry for approximately 1 hour, you will then pour the coloured sand into containers. Fill another container with water.



- Next, just simply pour the coloured sand into the water. You will see how the sand clumps together.



Instructions:-

- The sand clumps together because , this is due to the sand being sprayed with fabric protector (so it does not like water.



Instructions

- Lastly, put some sand out of the water and see it as just as normal sand in your hands.

